



01/2008 10:20 FAX 503 459 4142

AHMRT

→ USPTO Issue Fee 002/010

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail** Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or **Fax** (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

22844 36865 7590 06/23/2008

ALLEMAN HALL MCCOY RUSSELL & TUTTLE, LLP
806 S.W. BROADWAY, SUITE 600
PORTLAND, OR 97205

Ford Global Technologies, LLC
Fairlane Plaza South, Suite 800
330 Town Center Drive
Dearborn, Michigan 48126

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

Katherine D. Gardner

(Depositor's name)

(Signature)

July 1, 2008

(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/909,430	07/19/2001	Michael Choi		1498

TITLE OF INVENTION: FLOW IMPROVEMENT VANES IN THE INTAKE SYSTEM OF AN INTERNAL COMBUSTION ENGINE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$0	\$1440	\$1440	06/23/2008
EXAMINER	ART UNIT	CLASS-SUBCLASS	01 FC:1501 1440.00 DA			
HUYNH, HAI H	3747	123-184210				

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☒ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.☒ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,

(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 Allan J. Lipka

2 Alleman Hall McCoy

3 Russell & Tuttle, LLP

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

Ford Global Technologies, LLC

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Dearborn, Michigan

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☐ Issue Fee
☐ Publication Fee (No small entity discount permitted)
☐ Advance Order - # of Copies

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.
☐ Payment by credit card. Form PTO-2038 is attached.
☒ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number 06-1510 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature

John D. Russell

Date July 1, 2008

Typed or printed name

Registration No. 47,048

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

03/14/2008 12:19 IFAX incomingfaxes@ahmrt.com

→ Katherine Gardne 001/001

PART B - FEE(S) TRANSMITTAL

COPY

Complete and send this form, together with applicable fee(s), to: **Mail** Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or **Fax** (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

22844

-50488-

7390

02/21/2008

~~ALLEMAN HALL MCCOY RUSSELL & TUTTLE LLP~~~~806 SW BROADWAY~~~~SUITE 600~~~~PORTLAND, OR 97205-3335~~

Ford Global Technologies, LLC

Fairlane Plaza South, Suite 800

330 Town Center Drive

Dearborn, Michigan 48126

Certificate of Mailing or Transmission
I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

Katherine D. Gardner

(Depositor's name)

K. Gardner

(Signature)

March 14, 2008

(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/09/430	07/19/2001	Michael Choi	FMC 1305 R	1498

TITLE OF INVENTION: FLOW IMPROVEMENT VANES IN THE INTAKE SYSTEM OF AN INTERNAL COMBUSTION ENGINE

APPL. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$0	\$0	\$1440	05/21/2008

EXAMINER	ART UNIT	CLASS-SUBCLASS
HUYNH, HAI H.	3747	123-184210

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,

(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 Allan J. Lipka

2 Alleman Hall McCoy

3 Russell & Tuttle LLP

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

Ford Global Technologies, LLC

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Dearborn, Michigan

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

☒ Issue Fee☐ Publication Fee (No small entity discount permitted)☐ Advance Order - # of Copies

4b. Payment of Fee(s): (Please first reapply any previously paid issue fees shown above)

☐ A check is enclosed.☐ Payment by credit card. Form PTO-2038 is attached.☒ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number 09-1510 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature

John D. Russell

Date March 14, 2008

Typed or printed name

Registration No. 47,048

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

USPTO

3/14/2008 3:15:50 PM

PAGE

1/001

Fax Server

3:Auto-reply fax to 503 459 142 COMPANY:

COPY

Auto-Reply Facsimile Transmission



TO:

Fax Sender at 503 459 4142

Fax Information

Date Received:

Total Pages:

3/14/2008 3:13:50 PM [Eastern Daylight Time]

1 (including cover page)

ADVISORY: This is an automatically generated return receipt confirmation of the facsimile transmission received by the Office. Please check to make sure that the number of pages listed as received in Total Pages above matches what was intended to be sent. Applicants are advised to retain this receipt in the unlikely event that proof of this facsimile transmission is necessary. Applicants are also advised to use the certificate of facsimile transmission procedures set forth in 37 CFR 1.8(a) and (b), 37 CFR 1.6(f). Trademark Applicants, also see the Trademark Manual of Examining Procedure (TMEP) section 306 et seq.

Received
Cover
Page[illegible]

*** TX REPORT ***

COPY

TX/RX NO 9893
RECIPIENT ADDRESS incomingfaxes@ahmrt.com
DESTINATION ID Incoming Faxes
ST. TIME 03/14 12:24
TIME USE 00'10
PAGES SENT 1
RESULT --

USPTO 3/14/2008 3:15:50 PM PAGE 1/001 Fax Server

0:Auto-reply fax to 503 459 4142 COMPANY:

Auto-Reply Facsimile Transmission



TO: Fax Sender at 503 459 4142
Fax Information
Date Received: 3/14/2008 3:13:50 PM (Eastern Daylight Time)
Total Pages: 1 (including cover page)

ADVISORY: This is an automatically generated return receipt confirmation of the facsimile transmission received by the Office. Please check to make sure that the number of pages listed as received in Total Pages above matches what was intended to be sent. Applicants are advised to retain this receipt in the unlikely event that proof of this facsimile transmission is necessary. Applicants are also advised to use the certificate of facsimile transmission procedures set forth in 37 CFR 1.8(a) and (b), 37 CFR 1.6(f). Trademark Applicants, also see the Trademark Manual of Examining Procedure (TMEP) section 306 et seq.

Received
Cover
Page
=====>

03/14/2008 12:24 FAX 503 459 4142 AHMRT - USPTO Issue Fee 007/001

PART B - FAX(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to Mail Stop ISSUE FEE, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450 or Fax (771) 273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Steps 1 through 5 should be completed unless otherwise indicated. All initial correspondence including this form, covers, notes and notification of correspondence fees will be mailed to the current correspondence address as indicated unless indicated below or stated otherwise in Step 1, by (1) enclosing a new correspondence address label (2) indicating a separate "FAX ADDRESS" for subsequent correspondence.

22344 22344 22344

ALLERMAN-HALL MCCOY-BUSSELL & TUTTLE LLP
406-600 BROADWAY
406-600-
PORTLAND, OR 97204-5334
Ford Global Technologies, LLC
Falcone Plaza South, Suite 900
340 Town Center Drive
Orem, UT 84403

Notice of mailing fee: A mailing fee of \$100.00 is required for each mailing of a document to the United States Patent and Trademark Office. This fee is waived for certain mailings. For more information, see 37 CFR 1.101. The fee is waived for certain mailings. For more information, see 37 CFR 1.101. The fee is waived for certain mailings. For more information, see 37 CFR 1.101.

Signature: Katherine D. Gardner
March 14, 2008

APPLICANT'S NO.	FILED DATE	FILED NAME	ATTORNEY DOCKET NO.	CONFIRMATION NO.
0000000	03/19/2008	Michael Choi	PNC 1380 A	1450

TITLE OF INVENTION: FLOW SUPERVISORY VALUES IN THE DETAILED SYSTEM OF AN INTERNAL COMBUSTION ENGINE

APPL. TYPE	EXAMINER	EXAM. FEE DUE	PUBLICATION FEE DUE	PRY. FEE DUE	TOTAL FEE DUE	DATE DUE
00000000	NO	\$1400	\$0	\$0	\$1400	03/14/2008

EXAMINER	FILED DATE	FILED NAME
00000000	03/14/2008	Michael Choi

☐ Change of correspondence address or indication of "Fax Address" (if any) (1) The fee of \$100.00 is required for each mailing of a document to the United States Patent and Trademark Office. This fee is waived for certain mailings. For more information, see 37 CFR 1.101. The fee is waived for certain mailings. For more information, see 37 CFR 1.101. The fee is waived for certain mailings. For more information, see 37 CFR 1.101.

☐ The Address Indication for "Fax Address" Indication (if any) (2) The fee of \$100.00 is required for each mailing of a document to the United States Patent and Trademark Office. This fee is waived for certain mailings. For more information, see 37 CFR 1.101. The fee is waived for certain mailings. For more information, see 37 CFR 1.101. The fee is waived for certain mailings. For more information, see 37 CFR 1.101.

Signature: Allen J. Ayres
March 14, 2008

*** TX REPORT ***

COPY

TRANSMISSION OK

TX/RX NO 3178
RECIPIENT ADDRESS 9p15712732885
DESTINATION ID USPTO Issue Fee
ST. TIME 03/14 12:20
TIME USE 00'54
PAGES SENT 1
RESULT OK

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail** Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or **Fax** (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

22844 50422- 7390 02/21/2008

~~ALLEMAN HALL MCCOY RUSSELL & TUTTLE LLP~~
~~806 SW BROADWAY~~
~~SUITE 600~~
~~PORTLAND, OR 97205-3335~~
Ford Global Technologies, LLC
Fairlane Plaza South, Suite 800
330 Town Center Drive
Dearborn, Michigan 48126

Certificate of Mailing or Transmittal
I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

Katherine D. Gardner (Depositor's name)
K. Gardner (Signature)
March 14, 2008 (Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/909,430	07/19/2001	Michael Choi	FMC 1305 R	1498

TITLE OF INVENTION: FLOW IMPROVEMENT VANES IN THE INTAKE SYSTEM OF AN INTERNAL COMBUSTION ENGINE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$0	\$0	\$1440	05/21/2008

EXAMINER	ART UNIT	CLASS-SUBCLASS
HUYNH, HAI H	3747	123-184210

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

- 1 Allan J. Lipka
2 Alleman Hall McCoy
3 Russell & Tuttle LLP

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.111. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

Ford Global Technologies, LLC

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Dearborn, Michigan

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☒ Issue Fee
☐ Publication Fee (No small entity discount permitted)
☐ Advance Order - # of Copies

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.
☐ Payment by credit card. Form PTO-2038 is attached.
☒ The Director is hereby authorized to charge the required fee(s) and determine no credit any